Please add claims 9 and 10 as follows:

9. (new) A device for treating an incompetent anatomical valve or sphincter within the body of a patient, wherein said valve or sphincter controls flow of fluid through a vessel of the body and is supported by tissue of the vessel near the valve, said device comprising:

a catheter body having a distal end and a proximal end, said distal end being adapted for insertion into the body;

a first balloon located at the distal end of the catheter, said first balloon being inflatable to a diameter greater than the catheter body distal end, and a first inflation lumen communicating from the proximal end of the catheter body to the distal end of the catheter body, wherein the first inflation lumen is in fluid communication with the first balloon;

a first heating element mounted on the distal end of the catheter, proximal to the first balloon;

a second balloon located at the distal end of the catheter, said second balloon being inflatable to a diameter greater than the catheter body distal end, said second balloon proximal to the first balloon and proximal to the first heating element, and a second inflation lumen communicating from the proximal end of the catheter body to the distal end of the catheter body, wherein the second inflation lumen is in fluid communication with the second balloon;

a second heating element mounted on the distal end of the catheter, distal to the second balloon and proximal to the first heating element;

a suction lumen communicating from the proximal end of the catheter body to the distal end of the catheter body, and

at least one suction port located on the distal end of the catheter communicating from the suction lumen to the exterior of the catheter body, said at least one suction port being located proximal to the first heating element and distal to the second heating element; whereby suction applied to the vessel through the at least one suction port will draw the tissue of the vessel near the valve toward the first and second heating elements.

10. (new) A device for treating a plurality of incompetent anatomical valves or sphincters within the body of a patient, wherein said plurality of valves or sphincters control flow of fluid through a vessel of the body and are supported by tissue of the vessel near the plurality of valves, said device comprising:

a catheter body having a distal end and a proximal end, said distal end being adapted for insertion into the body;

a first balloon located at the distal end of the catheter, said first balloon being inflatable to a diameter greater than the catheter body distal end, and a first inflation lumen communicating from the proximal end of the catheter body to the distal end of the catheter body, wherein the first inflation lumen is in fluid communication with the first balloon;

a second balloon located at the distal end of the catheter, said second balloon being inflatable to a diameter greater than the catheter body distal end, said second balloon proximal to the first balloon, and a second inflation lumen communicating from the proximal end of the catheter body to the distal end of the catheter body, wherein the second inflation lumen is in fluid communication with the second balloon;

a plurality of heating elements mounted on the distal end of the catheter body, wherein each of the plurality of heating elements are disposed in series along the length of the catheter body, wherein two succeeding heating elements comprise a pair of heating elements, and wherein the pair of heating elements are further disposed on the catheter body such that a section of catheter body separates each pair of heating elements;

a suction lumen communicating from the proximal end of the catheter body to the distal end of the catheter body; and

a plurality of suction ports located on the distal end of the catheter communicating from the suction lumen to the exterior of the catheter body, wherein at least one of the plurality of suction ports is disposed between each pair of heating elements, whereby suction applied to the vessel through the plurality of suction ports will draw the tissue of the vessel near each of the plurality of valves toward each pair of heating elements.

In the drawings:

The proposed changes are indicated on the copies of Figures 1, 4, 6, 7, and 8, attached hereto. The proposed changes are merely changes in item numbers to correctly correspond to the text, and no new matter is included in the drawing amendments. Applicant requests permission to amend the drawings of this application after allowance.

Remarks

Claims 1 through 5 remain pending in the application, and claims 9 and 10 are added by amendment.